

=> fil reg; d que 16

~~FILE=REGISTRY~~ ENTERED AT 12:06:42 ON 06 DEC 2002
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 5 DEC 2002 HIGHEST RN 475231-25-5
DICTIONARY FILE UPDATES: 5 DEC 2002 HIGHEST RN 475231-25-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnot:s27.pdf>

L4 130 SEA FILE=REGISTRY ABB=ON AAAUUGGGUACAAGAUGAUACCUUCGUU|AACGAAGG
UAUCAUCUUGUACCCAAUUU|GAAGGUGUGCUUAC|GUAAGCACACCUUC|UUUUCUUUUUCU
CUAUUAAUG|CAUUAUAGAGAAAAAGAAAA|GUUAGUUGAAUAUCUUUGCC|GGCAAAGUA
UUCAACUAC/SQSN
L5 54 SEA FILE=REGISTRY ABB=ON AAAGAAAAAAGAUGGCAAAGAUUUCUAA|UUGAAUUA
CUUUGCCAUCUUUUUUCUUU|UUCUUUUUUAUCUUCGGUUA|UAACCGAAGAUAAAAAGAA|
UCAUUGCUGUAAUUAUUUUU|AAAAUAUUAACAGCAAUGA|CAACUAACUAUUGAUGCUIAA
GUUCAAA|UUUGAACUUUAGCAUCAUAGUUAGUUG/SQSN
L6 45 SEA FILE=REGISTRY ABB=ON (L4 OR L5) AND SQL<76

*Seq 18-21 &
their
complements*

*Seq 22-25 &
their complements*

=> d rn cn kwic nte 16 1-45; fil capl; d que 17

L6 ANSWER 1 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 457012-93-0 REGISTRY
CN GenBank BD135968 (9CI) (CA INDEX NAME)
SQL 36

SEQ 1 atacattaat agagaaaaag aaaaaagatg gcaaag
===== =====
HITS AT: 4-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 2 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 457012-92-9 REGISTRY
CN GenBank BD135967 (9CI) (CA INDEX NAME)
SQL 36

SEQ 1 atacattaat agagaaaaag aaaaaagatg gcaaag
===== =====
HITS AT: 4-24

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 3 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 457012-81-6 REGISTRY
CN GenBank BD135956 (9CI) (CA INDEX NAME)

SQL 59

```
SEQ      1 cgcacataca ttaatagaga aaaagaaaaa agatggcaaa gatattcaac
          == =====
          51 taactattg
          =====
```

HITS AT: 9-54

L6 ANSWER 4 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-86-6, REGISTRY
CN GenBank BD094437 (9CI) (CA INDEX NAME)
SQL 39

```
SEQ      1 gttagttgaa tatctttgcc atcttttttc tttttctct
          =====
```

HITS AT: 1-33

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 5 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-85-5, REGISTRY
CN GenBank BD094436 (9CI) (CA INDEX NAME)
SQL 39

```
SEQ      1 ttttcttttt ctctattaat gtatgtgoga ttgtattgc
          =====
```

HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 6 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-83-3, REGISTRY
CN GenBank BD094434 (9CI) (CA INDEX NAME)
SQL 28

```
SEQ      1 caactaacta ttgatgctaa agttcaaa
          =====
```

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 7 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-82-2, REGISTRY
CN GenBank BD094433 (9CI) (CA INDEX NAME)
SQL 20

```
SEQ      1 tcattgctgt taatattttt
          =====
```

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 8 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-81-1 REGISTRY
CN GenBank BD094432 (9CI) (CA INDEX NAME)
SQL 20

```
SEQ      1 ttctttttta tcttcggtta
          =====
```

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 9 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-80-0' REGISTRY
CN GenBank BD094431 (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 aaagaaaaaa gatggcaaag atattcaa
===== =====
HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 10 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-79-7' REGISTRY
CN GenBank BD094430 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 gttagttgaa tatctttgcc
===== =====
HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 11 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-78-6' REGISTRY
CN GenBank BD094429 (9CI) (CA INDEX NAME)
SQL 21

SEQ 1 ttttcttttt ctctattaat g
===== =====
HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 12 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-77-5' REGISTRY
CN GenBank BD094428 (9CI) (CA INDEX NAME)
SQL 14

SEQ 1 gaaggtgtgc ttac
===== =====
HITS AT: 1-14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 13 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451619-76-4' REGISTRY
CN GenBank BD094427 (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 aaattgggta caagatgata ccttcggt
===== =====
HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 14 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451412-31-0' REGISTRY
CN GenBank BD084089 (9CI) (CA INDEX NAME)
SQL 14

SEQ 1 gaaggtgtgc ttac
===== =====
HITS AT: 1-14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 15 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451412-28-5 REGISTRY
CN GenBank BD084086 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 tcattgctgt taatatatttt
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 16 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451412-27-4 REGISTRY
CN GenBank BD084085 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 ttcttttttta tcttcggtta
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 17 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451412-25-2 REGISTRY
CN GenBank BD084083 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 gttagttgaa tatctttgcc
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 18 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 451412-24-1 REGISTRY
CN GenBank BD084082 (9CI) (CA INDEX NAME)
SQL 21

SEQ 1 ttttcttttt ctctattaat g
=====

HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 19 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 444212-76-4 REGISTRY
CN DNA, d(G-T-T-A-G-T-T-G-A-A-T-A-T-C-T-T-T-G-C-C-A-T-C-T-T-T-T-T-C-T-T-T-T-T-C-T-C-T) (9CI) (CA INDEX NAME)
SQL 39

SEQ 1 gttagttgaa tatctttgcc atcttttttc tttttctct
=====

HITS AT: 1-33

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 20 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 392185-45-4 REGISTRY
CN GenBank AX306858 (9CI) (CA INDEX NAME)
SQL 14

SEQ 1 gaaggtgtgc ttac
=====

HITS AT: 1-14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 21 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 392185-41-0 REGISTRY
CN GenBank AX306852 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 gttagttgaa tatctttgcc
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 22 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391493-04-2 REGISTRY
CN GenBank AX306869 (9CI) (CA INDEX NAME)
SQL 39

SEQ 1 gttagttgaa tatctttgcc atcttttttc tttttctct
=====

HITS AT: 1-33

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 23 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391493-03-1 REGISTRY
CN GenBank AX306868 (9CI) (CA INDEX NAME)
SQL 39

SEQ 1 ttttcttttt ctctattaat gtatgtgcga ttgtattgc
=====

HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 24 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391493-02-0 REGISTRY
CN GenBank AX306866 (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 caactaacta ttgatgctaa agttcaaa
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 25 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391493-01-9 REGISTRY
CN GenBank AX306863 (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 aaagaaaaaa gatggcaaag atattcaa
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 26 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 391493-00-8 REGISTRY
CN GenBank AX306859 (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 aaattgggta caagatgata ccttcggtt
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 27 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391492-99-2 REGISTRY
CN GenBank AX306855 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 tcattgctgt taatattttt
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 28 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391492-98-1 REGISTRY
CN GenBank AX306854 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 ttcttttttta tcttcgggta
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 29 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 391492-97-0 REGISTRY
CN GenBank AX306851 (9CI) (CA INDEX NAME)
SQL 21

SEQ 1 ttttcttttt ctctattaat g
=====

HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 30 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 382385-73-1 REGISTRY
CN GenBank AX306865 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 tcattgctgt taatattttt
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 31 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 382385-72-0 REGISTRY
CN GenBank AX306864 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 ttcttttttta tcttcgggta
=====

HITS AT: 1-20

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 32 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 382385-71-9 REGISTRY
CN GenBank AX306862 (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 gttagttgaa tatctttgcc
===== =
HITS AT: 1-20

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 33 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 382385-70-8 REGISTRY
CN GenBank AX306861 (9CI) (CA INDEX NAME)
SQL 21

SEQ 1 ttttcttttt ctctattaat g
===== =
HITS AT: 1-21

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 34 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 382385-69-5 REGISTRY
CN GenBank AX306860 (9CI) (CA INDEX NAME)
SQL 14

SEQ 1 gaaggtgtgc ttac
===== =
HITS AT: 1-14

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 35 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 376989-33-2 REGISTRY
CN DNA, d(G-T-T-A-G-T-T-G-A-A-T-A-T-C-T-T-T-G-C-C-A-T-C-T-T-T-T-T-C-T-T-T-T-T-C-T-C-T) (9CI) (CA INDEX NAME)
SQL 39

SEQ 1 gttagttgaa tatctttgcc atcttttttc tttttctct
===== =
HITS AT: 1-33

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 36 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 376989-32-1 REGISTRY
CN DNA, d(T-T-T-T-C-T-T-T-T-T-C-T-C-T-A-T-T-A-A-T-G-T-A-T-G-T-G-C-G-A-T-T-G-T-A-T-T-G-C) (9CI) (CA INDEX NAME)
SQL 39

SEQ 1 ttttcttttt ctctattaat gtatgtgcga ttgtattgc
===== =
HITS AT: 1-21

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

L6 ANSWER 37 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 376989-31-0 REGISTRY
CN 25: PN: EP1160333 SEQID: 25 claimed DNA (9CI) (CA INDEX NAME)
SQL 28

SEQ 1 caactaacta ttgatgctaa agttcaaa
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 38 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 376989-30-9 REGISTRY

CN 22: PN: EP1160333 SEQID: 22 claimed DNA (9CI) (CA INDEX NAME)

SQL 28

SEQ 1 aaagaaaaaa gatggcaaag atattcaa
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 39 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 376989-29-6 REGISTRY

CN 18: PN: EP1160333 SEQID: 18 claimed DNA (9CI) (CA INDEX NAME)

SQL 28

SEQ 1 aaattgggta caagatgata ccttcggt
=====

HITS AT: 1-28

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 40 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 376989-28-5 REGISTRY

CN 17: PN: JP2001333783 SEQID: 17 claimed sequence (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17: PN: EP1160333 SEQID: 17 claimed DNA

SQL 14

SEQ 1 gaaggtgtgc ttac
=====

HITS AT: 1-14

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 41 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 376989-25-2 REGISTRY

CN 14: PN: EP1160333 SEQID: 14 claimed DNA (9CI) (CA INDEX NAME)

SQL 20

SEQ 1 tcattgctgt taatattttt
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 42 OF 45 REGISTRY COPYRIGHT 2002 ACS

RN 376989-24-1 REGISTRY

CN 13: PN: EP1160333 SEQID: 13 claimed DNA (9CI) (CA INDEX NAME)

SQL 20

SEQ 1 ttctttttta tcttcggtta
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 43 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 376989-22-9 REGISTRY
CN 11: PN: JP2001333783 SEQID: 11 claimed DNA (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11: PN: EP1160333 SEQID: 11 claimed DNA
SQL 20

SEQ 1 gttagttgaa tatctttgccc
=====

HITS AT: 1-20

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 44 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 376989-21-8 REGISTRY
CN 10: PN: EP1160333 SEQID: 10 claimed DNA (9CI) (CA INDEX NAME)
SQL 21

SEQ 1 ttttcttttt ctctattaat g
=====

HITS AT: 1-21

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L6 ANSWER 45 OF 45 REGISTRY COPYRIGHT 2002 ACS
RN 150412-02-5 REGISTRY
CN Guanosine, 2'-deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-
(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-
2'-deoxyadenylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-
deoxycytidylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-thymidylyl-
(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxycytidylyl-(5'.fwdarw.3')-
2'-deoxyguanylyl-(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-
(5'.fwdarw.3')-thymidylyl-(5'.fwdarw.3')-2'-deoxyguanylyl-(5'.fwdarw.3')-
2'-deoxyguanylyl-(5'.fwdarw.3')-2'-deoxyadenylyl-(5'.fwdarw.3')-2'-
deoxyadenylyl-(5'.fwdarw.3')-2'-deoxy- (9CI) (CA INDEX NAME)
SQL 20

SEQ 1 gaaggtgtgc ttacaagtgc
=====

HITS AT: 1-14
NTE singlestranded

~~FILE~~ CAPLUS ENTERED AT 12:07:15 ON 06 DEC 2002
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FILE COVERS 1907 - 6 Dec 2002 VOL 137 ISS 24
FILE LAST UPDATED: 5 Dec 2002 (20021205/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

L4 130 SEA FILE=REGISTRY ABB=ON AAAUUGGGUACAAGAUGAUACCUUCGUU|AACGAAGG
UAUCAUCUUGUACCCAAUUU|GAAGGUGUGCUUAC|GUAAGCACACCUUC|UUUUCUUUUUCU
CUAUUAAUG|CAUUAUAGAGAAAAAGAAAA|GUUAGUUGAAUAUCUUUGCC|GGCAAAGAU
UUCAACUAAC/SQSN
L5 54 SEA FILE=REGISTRY ABB=ON AAAGAAAAAAGAUGGCAAAGAUUUCAA|UUGAAUUA
CUUUGCCAUUUUUUUUUUU|UUCUUUUUUUAUCUUCGGUUA|UAACCGAAGAUAAAAAGAA|
UCAUUGCUGUAAUAUUUUU|AAAAUAUUAACAGCAAUGA|CAACUAACUAUUGAUGCUGAAA
GUUCAAA|UUUGAACUUUAGCAUCAAUAGUUAGUUG/SQSN
L6 45 SEA FILE=REGISTRY ABB=ON (L4 OR L5) AND SQL<76
L7 4 SEA FILE=CAPLUS ABB=ON L6

=> d libib ab hitrn l7 1-4; fil hom

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:42338 CAPLUS

DOCUMENT NUMBER: 137:120170

TITLE: Development of automated system of nucleic acid based
infectious disease testing: Extraction of nucleic
acids and fluorescence real-time monitoring of
isothermal nucleic acid amplification

AUTHOR(S): Hayashi, Toshinori; Kurihara, Yoshihumi; Masui, Kenji;
Saitoh, Juichi; Horie, Ryuichi; Yasukawa, Kiyoshi;
Ishiguro, Takahiko

CORPORATE SOURCE: Tosoh Corporation, Japan

SOURCE: Toso Kenkyu, Gijutsu Hokoku (2001), 45, 3-9

CODEN: TKHOCK

PUBLISHER: Toso K.K., Nan'yo Kenkyusho Kikaku Kanrishitsu

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

AB We developed a novel automated system of NAT (nucleic acid amplification
technol.) based infectious disease testing. The system consists of the
automated nucleic acid extractor using the manual DNA/RNA extn. kit
'EXTRAGEN' as the reagent and the fluorescence real-time monitor of the
TRC (transcription-reverse transcription concerted) amplification in the
presence of the INAF (intercalation-activating fluorescence) DNA probe.
The present system was applied to the detection of methicillin-resistant
Staphylococcus aureus (MRSA) and demonstrated that the nucleic acids were
extd. from as much as 32 specimens within 30 min, and 10 copies of the
target RNA, mRNA of mecA gene, was detected and quantified in 10 min.

IT 444212-76-4

RL: ARG (Analytical reagent use); PRP (Properties); ANST (Analytical
study); USES (Uses)

(DNA probe; development of automated system of extn. of nucleic acids
and fluorescence real-time monitoring of isothermal nucleic acid
amplification for infectious disease testing)

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:885479 CAPLUS

DOCUMENT NUMBER: 136:32630

TITLE: PCR primers and methods for detecting
methicillin-resistant Staphylococcus aureus targeted
to mecA gene

INVENTOR(S): Taya, Toshiki; Ishiguro, Takahiko; Saito, Juichi
PATENT ASSIGNEE(S): Tosoh Corp., Japan
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

*priority
doc*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1160333	A2	20011205	EP 2001-112100	20010529
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001333783	A2	20011204	JP 2000-163149	20000529
JP 2001353000	A2	20011225	JP 2000-179394	20000609
PRIORITY APPLN. INFO.: JP 2000-163149 A 20000529 JP 2000-179394 A 20000609				
AB PCR primers targeted to Staphylococcus aureus mecA gene are provided for detecting methicillin-resistant Staphylococcus aureus (MRSA). Further, methods based on RT-PCR for detecting the mecA gene is provided.				
IT 376989-21-8 , 10: PN: EP1160333 SEQID: 10 claimed DNA 376989-22-9 376989-24-1 , 13: PN: EP1160333 SEQID: 13 claimed DNA 376989-25-2 , 14: PN: EP1160333 SEQID: 14 claimed DNA 376989-28-5 376989-29-6 , 18: PN: EP1160333 SEQID: 18 claimed DNA 376989-30-9 , 22: PN: EP1160333 SEQID: 22 claimed DNA 376989-31-0 , 25: PN: EP1160333 SEQID: 25 claimed DNA RL: ARG (Analytical reagent use); DGN (Diagnostic use); PRP (Properties); ANST (Analytical study); BIOL (Biological study); USES (Uses) (PCR primers and methods for detecting methicillin-resistant Staphylococcus aureus targeted to mecA gene)				
IT 376989-32-1 376989-33-2 RL: PRP (Properties) (unclaimed nucleotide sequence; pCR primers and methods for detecting methicillin-resistant Staphylococcus aureus targeted to mecA gene)				

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:872977 CAPLUS
DOCUMENT NUMBER: 136:17936
TITLE: Oligonucleotide primers and probes for detecting
methicillin-resistant Staphylococcus aureus (MRSA)
INVENTOR(S): Taya, Toshitaka; Ishiguro, Takahiko; Saito, Toshikazu
PATENT ASSIGNEE(S): Tosoh Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXMF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

*no priority
acc*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001333783	A2	20011204	JP 2000-163149	20000529
EP 1160333	A2	20011205	EP 2001-112100	20010529
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2002098492	A1	20020725	US 2001-865579	20010529
PRIORITY APPLN. INFO.: JP 2000-163149 A 20000529 JP 2000-179394 A 20000609				
AB Oligonucleotide primers and probes derived from gene mecA of methicillin-resistant Staphylococcus aureus (MRSA) and their use for detecting MRSA.				
IT 376989-22-9 376989-28-5				

RL: ARG (Analytical reagent use); DGN (Diagnostic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(oligonucleotide primers and probes for detecting methicillin-resistant Staphylococcus aureus (MRSA))

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:577490 CAPLUS

DOCUMENT NUMBER: 119:177490

TITLE: Magnet-supported chemiluminescent detection for amplified mecA gene of methicillin-resistant Staphylococcus aureus

AUTHOR(S): Yoshida, Shigeru; Chiba, Hitoshi; Sato, Kiyoshi; Shibuya, Hitoshi; Shimizu, Yoshinori; Matsuno, Kazuhiko; Kobayashi, Kunihiro; Saito, Akira

CORPORATE SOURCE: Sch. Med., Hokkaido Univ., Sapporo, 060, Japan

SOURCE: Rinsho Byori (1993), 41(6), 655-60

CODEN: RBYOAI; ISSN: 0047-1860

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

AB A method of chemiluminescent detection for mecA gene of methicillin-resistant S. aureus amplified by polymerase chain reaction, was developed. The sense DNA primer was biotinylated at 5'-end, and an oligonucleotide probe, complementary to the sense primer, was labeled with acridinium ester at 5'-end. Template DNA was obtained from colonies of S. aureus cultured on blood agar. Polymerase chain reaction product was hybridized with the probe and was sepd. using streptavidin-coated magnetic microparticles in magnetic field. The pellet was washed and measured for chemiluminescence in an automatic luminescence reader. For ref., drug sensitivity and presence of mecA gene were tested by diln. method and electrophoresis of polymerase chain reaction product, resp., for each colony studied. Methicillin-resistant S. aureus (n = 44) and methicillin-susceptible S. aureus (n = 19) can be successfully differentiated by chemiluminescence measurement. This method is specific, rapid, and suitable for handling a large no. of samples.

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RL: BIOL (Biological study)

(PCR primer, for gene mecA detection, in methicillin-resistant Staphylococcus aureus)

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